

Yongqiang Wang

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EDUCATION

Master of Science in Applied Computing

Sep 2023 - Now

University of Toronto

Canada

- Current courses: Neural Networks and Deep Learning, Computer Networks, Communication for Computer Scientists
- Full mark till now for related course homework and assignments

Master of Electrical Engineering

Sep 2015 - Sep 2017

Sapienza University of Rome, University of Nottingham, University of Oviedo *Italy, United Kingdom, Spain*

- The only admitted candidate in China in 2015 and received full scholarship, overall GPA 9.0/10.0
- Main courses: Digital Control and Micro-controllers, Power Systems for Electrical Transportation, EMC

Bachelor of Electrical Engineering

Sep 2010 - Jun 2014

Zhejiang University

China

- Main courses: Linear Algebra, Calculus, Ordinary Differential Equations, Lab.& Fundamentals of C Programming, The Guide to the Micro-controller Principals, Linux Application, Intelligent Control
- Overall GPA 3.85/4.0, University Scholarship for Outstanding Merits

RELATED EXPERIENCE

Teaching Assistant

Sep 2023 - Now

CSC207H1F Software Engineering

University of Toronto

- Conducted weekly tutorials on Git, Java fundamentals, API usage, and principles of Clean Architecture.
- Mentored and provided guidance to around 30 students for their course final projects.
- Graded homework and midterm/final exams.

Teaching Assistant

Sep 2012 - Jun 2013

Electric Circuit & Experiment, Digital Electronic Circuits & Lab.

Zhejiang University

- Performed all assistant teaching duties, such as Q&A, Exam, Assignment, Test Review sessions, and Laboratories.
- Discussed assigned duties with teachers to coordinate instructional efforts and prepare related lesson materials and slides.
- Mentored a core of around 20 students in the laboratories session, including giving tutorial lectures before the lab, supervising and solving problems during the lab, rating the lab reports.

RELATED COURSES

CSC2516HF Neural Networks and Deep Learning

Full mark for graded assignments

- Course Content: convolutional neural networks, recurrent neural networks, attention, transformers, large language models

CSC2209HF Computer Networking Systems

Full mark for graded assignments

- Course Content: layering, naming, and addressing, packet switching fundamentals, socket programming, protocols, congestion control, routing, network security

Lab. & Fundamentals of C Programming

94/100

- Course Content: common data structures and algorithms; object-oriented programming; software testing; coding and debugging

Linux Application

88/100

- Course Content: tools and methods for developing C programs and doing systems programming under Linux, debugging techniques, process management, Linux specific paid and system calls.

SKILLS

Programming Python, Java, C, Matlab, SQL, Assembly, VHDL

Hardware Design Verilog, Quartus2, ModelSim, AltiumDesigner